

WHAT IS CLAIMED IS:

1. An image forming apparatus that performs printing based on data sent from an external terminal device via a network, comprising:
- 5 a non-volatile memory which stores processing status information of print jobs;
- determining means for determining, when the image forming apparatus has been restored to its normal state, whether there are any jobs remaining to be printed based on
- 10 the print job processing status information stored in the non-volatile memory; and
- resend request issuing means for requesting a terminal device that sent data of an outstanding print job to resend the data when it is determined by the determining
- 15 means that the outstanding print job exists.

2. An image forming apparatus as claimed in Claim 1, wherein said restoration in the determining means is a power restoration after a shutdown .

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3. An image forming apparatus as claimed in Claim 1, further comprising:
- job identification information supply means for providing job identification information to each print job
- 25 data sent from the external terminal device.

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4. An image forming apparatus as claimed in Claim 3,
wherein said resend request issuing means requests
to resend the data based on the job identification information
of the outstanding print job.

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5. An image forming apparatus as claimed in Claim 3,
wherein said non-volatile memory stores the job
identification information with a terminal device identifier
which send data of the job.

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6. An image forming apparatus as claimed in Claim 1,
wherein said data includes an information of print
request and a print data.

15 7. A terminal device that sends data to an image forming
apparatus connected to it via a network to cause the apparatus
to perform printing, comprising:

receiving means for receiving a data resend request
sent from the image forming apparatus when the image forming
20 apparatus has been restored to its normal state; and
data resend means for resending the data in
response to the resend request.

8. A terminal device as claimed in Claim 7,
25 wherein said receiving means receives a job
identification information with the resend request, and said

data resend means resend the data corresponding to the job identification information.

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9. An image forming system in which an image forming
5 apparatus and a terminal device are connected via a network
and the image forming apparatus executes printing based on
data sent from the terminal device, comprising:
said image forming apparatus including,
a non-volatile memory which stores the print job
10 processing status,
determining means for determining, when the image
forming apparatus has been restored to its normal state,
whether or not there are any jobs remaining to be printed based
on the processing status information stored in the memory,
15 and
transmitting means for sending resend request
information to request the terminal device that sent the data
of an outstanding print job to resend it when it is determined
by the determining means that the outstanding print job
20 exists; and
said terminal device including,
receiving means for receiving the resend request
information sent from the image forming apparatus, and
data resend means for resending said data in
25 response to the receipt of said resend request information.

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10. An image forming system as claimed in Claim 9,
wherein said restoration in the determining means
is a power restoration after a shutdown .

5 11. An image forming system as claimed in Claim 9, said
image forming apparatus further comprising:

job identification information supply means for
providing job identification information to each print job
data sent from the external terminal device.

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12. A image forming system as claimed in Claim 11,
wherein said receiving means receives a job
identification information with the resend request, and said
data resend means resend the data corresponding to the job
15 identification information.

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13. A print resume method for an image forming apparatus
to perform printing based on data sent from an external
terminal device connected to it via a network, comprising the
20 steps of:

storing the print job processing status in a
non-volatile memory;

determining, when the image forming apparatus has
been restored to its normal state, whether or not there are
25 any jobs remaining to be printed based on the processing
status information stored in the memory;

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requesting the terminal device that sent said
print job data to resend it when it is determined by said
determining means that there are print jobs remaining to be
printed; and

5 resuming printing based on the resended data sent
from the terminal device.

14. A data sending method for the terminal device to
send data to the image forming apparatus connected to it via
10 a network and cause it to perform printing, comprising the
steps of:

 sending print data to the image forming apparatus;
 receiving a print data resend request sent from the
image forming apparatus when the image forming apparatus has
15 been restored to its normal state; and

 resending the print data in response to said
resend request.

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20 15. A print data transmission method for an image forming
system in which an image forming apparatus and a terminal
device are connected via a network, and printing is performed
by said image forming apparatus based on print data sent from
said terminal device, comprising the steps of:

 said image forming apparatus including the steps
25 of,

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storing the print job processing status in a
non-volatile memory,

determining, when the image forming apparatus has
been restored to its normal state, whether or not there are
5 any jobs remaining to be printed based on the processing
status information stored in the memory, and

sending resend request information requesting
that the terminal device that sent said print job data to
resend it when it is determined that there are print jobs
10 remaining to be printed; and

said terminal device including the steps of,
receiving the print data resend request
information sent from the image forming apparatus, and
resending the print data in response to the
15 receipt of said resend request information.

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